

CLAIMS

The invention claimed is:

1. A computerized system for updating the layout of a telecommunications network, the system comprising:
 - a maintenance entry component for receiving maintenance information that equipment has been added or removed from a physical layout of a telecommunications network; and
 - a structural database component that updates the physical layout database of the network to reflect equipment has been added or removed from the physical layout of the telecommunications network.
2. The system of claim 1, wherein the maintenance information includes lines that have been added to a particular line unit.
3. The system of claim 1, wherein the maintenance information includes lines that have been removed from a particular line unit.
4. The system of claim 1, wherein the information in the physical layout database may be utilized to generate line usage reports.
5. The system of claim 1, further comprising:
 - a maintenance tracking component for storing and tracking information regarding the entry of information into the maintenance entry component.

6. The system of claim 5, wherein the entry information includes the time and date maintenance information was entered.

7. The system of claim 6, wherein the entry information includes the identity of the user entering maintenance information.

8. A method in a computer system for automatically updating the layout of a telecommunications network, the method comprising:

receiving maintenance information that equipment has been added or removed from a physical layout of a telecommunications network; and

automatically updating a physical layout database of the network to reflect that equipment has been added or removed from the physical layout of the telecommunications network, such that information in the physical layout database may be utilized to generate line usage reports.

9. The method of claim 8, further comprising:

storing the maintenance information such that it may be displayed with line usage information for associated equipment.

10. The method of claim 9, further comprising:

tracking and storing information regarding the entry of information into the maintenance entry component.

11. The method of claim 10, wherein the entry information includes the time and date maintenance information was entered.

12.. The method of claim 11, wherein the entry information includes the identity of the user entering maintenance information.

13. The method of claim 12, further comprising:

displaying the entry information.

14. One or more computer-readable media having computer-executable instructions for performing the method recited in claim 8.

15. A method in a computer system for displaying load balance activity, the method comprising:

receiving maintenance information that equipment has been added or removed from a physical layout of a telecommunications network;

storing the maintenance information for the associated equipment in the telecommunications network;

receiving request for line usage information for one or more items of equipment in telecommunications network;

accessing maintenance information associated with the one or more items of equipment; and

displaying the line usage information and associated maintenance information.

16. The method of claim 15, further comprising:

storing information related to the entry of maintenance information.

17. The method of claim 16, further comprising:
displaying the entry information.
18. The method of claim 17, wherein the request for line usage information is a request for line usage report.
19. The method of claim 18, further comprising:
displaying the requested line usage report.
20. One or more computer-readable media having computer-executable instructions for performing the method recited in claim 15.
21. A computer system for displaying load balance activity, the system comprising:

means for receiving maintenance information that equipment has been added or removed from a physical layout of a telecommunications network;

means for storing the maintenance information for the associated equipment in the telecommunications network;

means for receiving request for line usage information for one or more items of equipment in telecommunications network;

means for accessing maintenance information associated with the one or more items of equipment; and

means for displaying the line usage information and associated maintenance information.
22. The system of claim 21, further comprising:

means for storing information related to the entry of maintenance information.

23. The system of claim 22, further comprising:
means for displaying the entry information.

24. The system of claim 21, wherein the request for line usage information is a request for a line usage report.

25. The method of claim 24, further comprising:
means displaying the requested line usage report.